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TITLE : FILM CONTAINING PULLULAN BLENDED THEREIN FOR CAPSULE AND CAPSULE

ABSTRACT : PURPOSE: To obtain a soft capsule, capable of stably enclosing a readily oxidizable substance, exhibiting easy solubility and withstanding a production method according to a punching method by blending a capsule film substrate such as gelatin, agar or carrageenan with pullulan.

CONSTITUTION: A film containing pullulan (natural neutral polysaccharides which contain maltotriose that is a trimer of glucose repeatedly bound through α -1,6-glucoside bonds and are useful as a food) blended therein for a capsule is obtained by blending a capsule film substrate such as gelatin, agar or carrageenan with the pullulan in an amount of about 5-10% based on the total weight of the film. A readily oxidizable substance such as eicosapentaenoic acid, docosahexaenoic acid or β -carotene can stably be contained by using the film containing the blended therein to afford the capsule. The resultant capsule is excellent in solubility in the stomach and capable of rapidly exhibiting effect of the medicine. Even if a soft capsule is produced by a punching method such as a flat plate or rotary die, the bonded surface is firm and there is no fear of leaking liquid contents and breaking the bonded surface, etc., with time.

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